CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22 Date: 05.05.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID: : Cement (Birla Super 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : April-2022

Date of Testing 03.05.2022 to 05.05.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	120 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Date of Testing 05.05.2022

Material : Sand(Plastering)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	15	1.50	1.50	98.5	95-100
2.36	17	1.70	3.20	96.8	95-100
1.18	32	3.20	6.40	93.6	90-100
600 Micron	69	6.90	13.30	86.7	80-100
300 Micron	258	25.80	39.10	60.9	20-65
150 Micron	501	50.10	89.20	10.8	0-15

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 15.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing 05.05.2022
Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	15	1.50	1.50	98.5	90-100
1.18	32	3.20	4.70	95.3	70-100
600 Micron	72	7.20	11.90	88.1	40-100
300 Micron	258	25.80	37.70	62.3	5-70
150 Micron	500	50.00	87.70	12.3	0-15

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22 Date 05.05.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing	05.05.2022
IS Code	: IS 383:2016
	: IS 2386 (Part 1):1963(RA 2011)
Material	: Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	71	7.10	7.10	92.9	90-100
2.36	116	11.60	18.70	81.3	75-100
1.18	190	19.00	37.70	62.3	55-90
600 Micron	221	22.10	59.80	40.2	35-59
300 Micron	170	17.00	76.80	23.2	8-30
150 Micron	175	17.50	94.30	5.7	0-10

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22 Date 05.05.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing 05.05.2022
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	190	1.27	1.27	98.73	95-100
20	8345	55.63	56.90	43.10	30-70
10	3012	20.08	76.98	23.02	10-35
4.75	2855	19.03	96.01	3.99	0-5

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 05.05.2022

TEST REPORT ON COARSE AGGREGATES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Date of Testing	05.05.2022
IS Code	: IS 383:2016
	: IS 2386 (Part 1):1963(RA 2011)
Material	: 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	201	4.0	4.0	96.0	95-100
10	2844	56.9	60.9	39.1	25-55
4.75	1625	32.5	93.4	6.6	0-10

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

Date 05.05.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Agency	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of Work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Steel Dia/Length	: 8mm,10mm," TMT"
Reference to BIS codes	: IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification
	: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature
Date of test	05.05.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.396	506	628	1.24	15
2	TMT	10	0.618	528	635	1.20	18
3	TMT	12	0.888	534	640	1.20	20

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22 Date 05.05.2022

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Agency : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the Work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Date of Testing 05.05.2022

Size of Blocks : 400mm x 150mm x 200mm

Cross Sectional Area : 60000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	23.6	213.2	3.55	1966.67	Minimum required Compressive Strength of Individual Units $3.5N/mm^2$
2	Block 2	24.8	225.6	3.76	2066.67	
3	Block 3	25.2	232.1	3.87	2100.00	
4	Block 4	26.3	240.0	4.00	2191.67	

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID :Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	18.05.2022	8.015	344.5	15.31
2	11.05.2022	18.05.2022	8.187	359.6	15.98
3	11.05.2022	18.05.2022	8.063	367.8	16.35

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22 18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	18.05.2022	8.020	515.6	22.92
2	11.05.2022	18.05.2022	8.017	525.9	23.37
3	11.05.2022	18.05.2022	8.112	535.4	23.80

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	18.05.2022	8.116	336.5	14.96
2	11.05.2022	18.05.2022	8.143	341.2	15.16
3	11.05.2022	18.05.2022	8.195	358.9	15.95

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	18.05.2022	8.125	517.7	23.01
2	11.05.2022	18.05.2022	8.137	522.3	23.21
3	11.05.2022	18.05.2022	8.190	535.4	23.80

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	18.05.2022	8.195	350.0	15.56
2	11.05.2022	18.05.2022	8.152	363.2	16.14
3	11.05.2022	18.05.2022	8.113	374.8	16.66

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	18.05.2022	8.123	511.2	22.72
2	11.05.2022	18.05.2022	8.167	526.3	23.39
3	11.05.2022	18.05.2022	8.019	534.8	23.77

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

23.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID :Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.05.2022	23.05.2022	8.147	339.6	15.09
2	16.05.2022	23.05.2022	8.192	348.5	15.49
3	16.05.2022	23.05.2022	8.112	354.6	15.76

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

13.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.05.2022	13.06.2022	8.102	489.6	21.76
2	16.05.2022	13.06.2022	8.034	494.5	21.98
3	16.05.2022	13.06.2022	8.178	500.2	22.23

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

23.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.05.2022	23.05.2022	8.011	344.9	15.33
2	16.05.2022	23.05.2022	8.147	352.3	15.66
3	16.05.2022	23.05.2022	8.192	368.7	16.39

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

13.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	:Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.05.2022	13.06.2022	8.093	502.2	22.32
2	16.05.2022	13.06.2022	8.122	526.9	23.42
3	16.05.2022	13.06.2022	8.177	535.4	23.80

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

31.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	31.05.2022	8.021	402.3	17.88
2	24.05.2022	31.05.2022	8.193	428.2	19.03
3	24.05.2022	31.05.2022	8.054	432.1	19.20

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

21.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	21.06.2022	8.121	596.3	26.50
2	24.05.2022	21.06.2022	8.064	605.2	26.90
3	24.05.2022	21.06.2022	8.132	620.0	27.56

Note:

1. The Material is satisfied as per the requirement.

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

31.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	31.05.2022	8.196	405.2	18.01
2	24.05.2022	31.05.2022	8.084	426.1	18.94
3	24.05.2022	31.05.2022	8.002	432.0	19.20

Note:

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

21.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	21.06.2022	8.167	605.8	26.92
2	24.05.2022	21.06.2022	8.133	629.3	27.97
3	24.05.2022	21.06.2022	8.052	634.1	28.18

Note:

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Job No.: CQCE/BBMP/KD/W.No.16/2021-22

31.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	31.05.2022	8.169	412.2	18.32
2	24.05.2022	31.05.2022	8.132	419.7	18.65
3	24.05.2022	31.05.2022	8.001	432.8	19.24

Note:

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Job No: CQCE/BBMP/KD/W.No.16/2021-22

21.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	21.06.2022	8.156	606.3	26.95
2	24.05.2022	21.06.2022	8.121	619.8	27.55
3	24.05.2022	21.06.2022	8.139	633.3	28.15

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/KD/W.No.16/2021-22

31.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	31.05.2022	8.196	409.5	18.20
2	24.05.2022	31.05.2022	8.132	416.7	18.52
3	24.05.2022	31.05.2022	8.105	428.3	19.04

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No: CQCE/BBMP/KD/W.No.16/2021-22

21.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	21.06.2022	8.025	610.2	27.12
2	24.05.2022	21.06.2022	8.164	623.3	27.70
3	24.05.2022	21.06.2022	8.132	634.8	28.21

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

No: CQCE/BBMP/KD/W.No.16/2021-22

31.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	31.05.2022	8.196	400.1	17.78
2	24.05.2022	31.05.2022	8.104	419.2	18.63
3	24.05.2022	31.05.2022	8.152	435.6	19.36

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref.No: CQCE/BBMP/KD/W.No.16/2021-22

21.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2022	21.06.2022	8.102	611.2	27.16
2	24.05.2022	21.06.2022	8.163	623.4	27.71
3	24.05.2022	21.06.2022	8.198	635.7	28.25

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

No: CQCE/BBMP/KD/W.No.16/2021-22 06.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	06.06.2022	8.147	413.2	18.36
2	30.05.2022	06.06.2022	8.101	428.6	19.05
3	30.05.2022	06.06.2022	8.004	434.7	19.32

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

CQCE/BBMP/KD/W.No.16/2021-22

27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	27.06.2022	8.113	604.8	26.88
2	30.05.2022	27.06.2022	8.175	625.9	27.82
3	30.05.2022	27.06.2022	8.196	630.0	28.00

Note:

1. The Material is satisfied as per the requirement.

FOR CIVIL QUALITY CONSULTANTS & ENGINEERS

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CQCE/BBMP/KD/W.No.16/2021-22

06.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	06.06.2022	8.002	405.3	18.01
2	30.05.2022	06.06.2022	8.146	418.2	18.59
3	30.05.2022	06.06.2022	8.037	431.6	19.18

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 05
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

CQE/BBMP/KD/W.No.16/2021-22

27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

To : **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.

Contractor : **Sri. K Damodar & Co,** Contractor, Bangalore.

Name of the work : Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	27.06.2022	8.100	601.2	26.72
2	30.05.2022	27.06.2022	8.127	619.8	27.55
3	30.05.2022	27.06.2022	8.034	632.5	28.11

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

No: CQCE/BBMP/KD/W.No.16/2021-22

06.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	06.06.2022	8.125	408.2	18.14
2	30.05.2022	06.06.2022	8.131	416.9	18.53
3	30.05.2022	06.06.2022	8.140	432.1	19.20

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No: COCE/BBMP/KD/W.No.16/2021-22 27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	27.06.2022	8.104	609.2	27.08
2	30.05.2022	27.06.2022	8.167	613.4	27.26
3	30.05.2022	27.06.2022	8.132	635.4	28.24

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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CQCE/BBMP/KD/W.No.16/2021-22

06.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	06.06.2022	8.109	400.9	17.82
2	30.05.2022	06.06.2022	8.167	412.3	18.32
3	30.05.2022	06.06.2022	8.013	432.1	19.20

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No: CQCE/BBMP/KD/W.No.16/2021-22

27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	27.06.2022	8.154	606.6	26.96
2	30.05.2022	27.06.2022	8.123	632.1	28.09
3	30.05.2022	27.06.2022	8.075	645.3	28.68

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No: CQCE/BBMP/KD/W.No.16/2021-22

06.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	06.06.2022	8.174	409.2	18.19
2	30.05.2022	06.06.2022	8.162	427.5	19.00
3	30.05.2022	06.06.2022	8.013	432.1	19.20

Note:

1. The Material is satisfied as per the requirement.

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Bitumen, Non Destructive Testing Services, Project
Management Consultants, Third Party Quality Assurance, DPR.

Ref No: CQCE/BBMP/KD/W.No.16/2021-22

27.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2022	27.06.2022	8.109	602.3	26.77
2	30.05.2022	27.06.2022	8.176	627.8	27.90
3	30.05.2022	27.06.2022	8.010	632.1	28.09

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/KD/W.No.16/2021-22

10.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	10.06.2022	8.014	402.3	17.88
2	03.06.2022	10.06.2022	8.031	416.8	18.52
3	03.06.2022	10.06.2022	8.047	435.4	19.35

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGIN

Authorised Signatory

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Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No: CQCE/BBMP/KD/W.No.16/2021-22 01.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	01.07.2022	8.123	620.0	27.56
2	03.06.2022	01.07.2022	8.146	635.8	28.26
3	03.06.2022	01.07.2022	8.102	642.1	28.54

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No: CQCE/BBMP/KD/W.No.16/2021-22

10.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	10.06.2022	8.147	410.3	18.24
2	03.06.2022	10.06.2022	8.169	419.6	18.65
3	03.06.2022	10.06.2022	8.013	432.1	19.20

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KD/W.No.16/2021-22

01.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	01.07.2022	8.121	601.5	26.73
2	03.06.2022	01.07.2022	8.140	629.3	27.97
3	03.06.2022	01.07.2022	8.196	635.8	28.26

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/KD/W.No.16/2021-22

10.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	10.06.2022	8.175	409.5	18.20
2	03.06.2022	10.06.2022	8.196	418.2	18.59
3	03.06.2022	10.06.2022	8.001	434.7	19.32

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEE

Authorised Signatory

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No: CQCE/BBMP/KD/W.No.16/2021-22

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
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Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	01.07.2022	8.112	600.5	26.69
2	03.06.2022	01.07.2022	8.143	628.2	27.92
3	03.06.2022	01.07.2022	8.167	635.4	28.24

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Ref No.: CQCE/BBMP/KD/W.No.16/2021-22

10.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	**: Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	10.06.2022	8.021	411.6	18.29
2	03.06.2022	10.06.2022	8.116	423.2	18.81
3	03.06.2022	10.06.2022	8.025	435.6	19.36

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Ref No.: CQCE/BBMP/KD/W.No.16/2021-22

01.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	01.07.2022	8.174	611.5	27.18
2	03.06.2022	01.07.2022	8.163	629.3	27.97
3	03.06.2022	01.07.2022	8.091	632.1	28.09

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Ref No.: CQCE/BBMP/KD/W.No.16/2021-22

10.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	10.06.2022	8.121	413.2	18.36
2	03.06.2022	10.06.2022	8.163	420.0	18.67
3	03.06.2022	10.06.2022	8.194	435.6	19.36

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/KD/W.No.16/2021-22 01.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantapura Sub Division, BBMP, Bangalore.
Contractor	: **Sri. K Damodar & Co,** Contractor, Bangalore.
Name of the work	: Improvements and Development of school building at Jalahalli in ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.06.2022	01.07.2022	8.104	602.5	26.78
2	03.06.2022	01.07.2022	8.170	618.3	27.48
3	03.06.2022	01.07.2022	8.021	631.4	28.06

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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